



September 20, 2007

TO: Distribution

FROM: David Morris

SUBJECT: September 20, 2007 DSN JURAP/RAR Minutes

The following are the Minutes of the NASA/JPL Deep Space Network (DSN) JURAP/RAR Meeting held at JPL on September 20, 2007. The purpose of this meeting is to review the Resource Allocation Forecast of DSN 26/34/70 Meter tracking asset usage.

These minutes do not attempt to replicate the presentation material. The presentations in the bound handout book given at the JURAP/RAR Meeting have been posted on the RAPS September 2007 DSNCF webpage at the following URL: <http://rapweb.jpl.nasa.gov/RARB-REDAug2007.html> The minutes attempt to reflect discussions and any action items identified during the meeting.

The Resource Allocation Review is responsible for reviewing new or changed requirements, adopting recommendations to reduce periods of heavy contention, and for controlling changes to mission and asset requirements. It addresses updated project support requirements and proposed antenna downtime in 2008, 2009, and 2010. Specific periods of oversubscription are addressed with recommended changes to support. The presentation attachment is identical to what was presented.

10 Action items were assigned:

#	Action	Period	Assigned to	Due Date
1	Coordinate GDSCC Electrical Power Work	Nov-Dec 2007	Donna Dillard	10/5/2007
2	Coordinate 5-7 day Grouting task at DSS-14	Nov-Dec 2007	Donna Dillard	10/5/2007
3	DSS-14 January D/T	Jan-08	Art Andujo	10/5/2007
4	Madrid Power Conversion D/T	Mar-Apr 2008	Art Andujo	10/5/2007
5	Phoenix Approach Overload (especially Week 21)	May-08	Nick Sartwell	11/30/2007
6	Phoenix Surface Ops Overload (Relay Ops)	Jun-Oct 2008	Art Andujo	12/14/2007
7	DSS-66 and 46 Downtime Clarified	Oct-08	David Morris	10/31/2007
8	Post Phoenix Support Mars Mission Requirements	Nov-08 plus	Art Andujo	11/30/2007
9	Messenger Mercury Flyby #3 - 70M Support	Sep-09	Art Andujo	10/31/2007
10	Kepler use of Narabri during MSL Approach	May-Jul 2010	Art Andujo	11/15/2007

## **Agenda**

1. Introduction .....D. Morris
2. Loading Study, Contention Periods, Analysis & Recommendation ...A. Andujo
  - a. Projects Responses .....Projects
  - b. Discussion / Decisions .....All

## **Customer Forum Representatives**

D. Morris introduced Customer Forum representatives and thanked the mission representatives and schedulers for attending the DSNCF. The following Customer Forum members or their representatives attended:

David Morris	JPL	Resource Allocation Planning Service Manager
Amanda Kniepkamp	GSFC	STEREO, Kepler Project Representative
Steven Chhan	RAP	Representative
Eve Periera	MDAP	Representative
Rubin Espinueva	MDAP	Representative
Dennis Buck	DSN	Antenna MGR
Renee Best	DSN	Scheduling
Carleen Ward	DSN	Project Scheduler
Martin Slade	GSSR	Representative
George Martinez	RASA	Representative
Eugenia Young	RAP	Representative
Chris Page	MDAP	Representative
Donna Dillard	RAP/SCHED	
Kathya Garcia	MDAP	Representative
Carlos Hernandez	MDAP	Representative
Jim Frautnick	Cassini	Representative
Len Efron	KINETX	
LaMont Fairley	RAP	Representative
Nicolas Sartwell	RAP	Representative
Jefferson Hall	VGR	Representative

## **Introductory David Morris**

Launches by SELENE and Phoenix have been successful. We look forward to Dawn launch next week.

## **Resource Contention Summary – A. Andujo**

The changes since the February 2007 RAR were presented: Project Date Changes, New Projects, and Changes in DSN Resource Support, DSN User / Mission Planning Set, DSN Major Downtimes, and the IND Resource Implementation Planning Matrix.

The Events, Recommendations, and Analysis were presented to the attendees for approval.

## **2008 Weeks**

- 01 – 05 - DSS-14 Proposed downtime for Antenna Controller Replacement Software in weeks 04-05
- 10 – 13 - SPC-60 Proposed Complex-Wide downtime (Commercial Power Installation)
- 14 – 17 - SPC-60 Proposed Complex-Wide downtime (Commercial Power Installation)

- 23 - 26 - DSS-34 Proposed downtime (AZ Track Replacement) beginning in week 25
- DSS-55 Proposed downtime (Paint Repair) beginning in week 23
- 27 - 31 - DSS-34 Proposed downtime (AZ Track Replacement) ending in week 28
- DSS-55 Proposed downtime (Paint Repair) ending in week 28
- 40 - 52 - DSS-43 Proposed Life Extension downtime

All Resource Analysis Team (RAT) Recommendations for the above proposed downtimes and contention were accepted during and subsequent to the September 20, 2007 JURAP/RAR. *Please refer to the final INCF Redbook Final V2.0 located on the RAPweb\**

### **2009 Weeks**

- 40 - 48 - DSS-65 Proposed Life Extension Elevation downtime

All Resource Analysis Team (RAT) Recommendations for the above proposed downtimes and contention were accepted during and subsequent to the February 14, 2006 INCF. *Please refer to the final INCF Redbook Final V2.0 located on the RAPweb\**

### **2010 Weeks**

- 13 - 15 - DSS-25 Proposed downtime for Ka Uplink Installation
- 13 - 15 - DSS-25 Proposed downtime for Depot Level Maintenance

All Resource Analysis Team (RAT) Recommendations for the above proposed downtimes and contention were accepted during and subsequent to the February 14, 2006 INCF. *Please refer to the final INCF Redbook Final V2.0 located on the RAPweb\**

### **Closing Remarks – D. Morris**

D. Morris thanked everyone for his or her participation and cooperation; announced that the next scheduled INCF meeting will be scheduled for February 11, 2008.

### **Final JURAP/RAR REDBOOK Version 2.0**

**The September JURAP/RAR REDBOOK Final Version 2.0 has been modified to reflect the recommendations that were accepted and rejected by the Projects/Users:**

**\* <http://rapweb.jpl.nasa.gov/RARB-REDAug2007.html>**

**Note: Only the recommendations colored “**GREEN**” will be implemented in the RAP database.**